

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067807.D
 Acq On : 19 Jul 2021 20:53
 Operator : JC/MD
 Sample : M3089-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:55:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

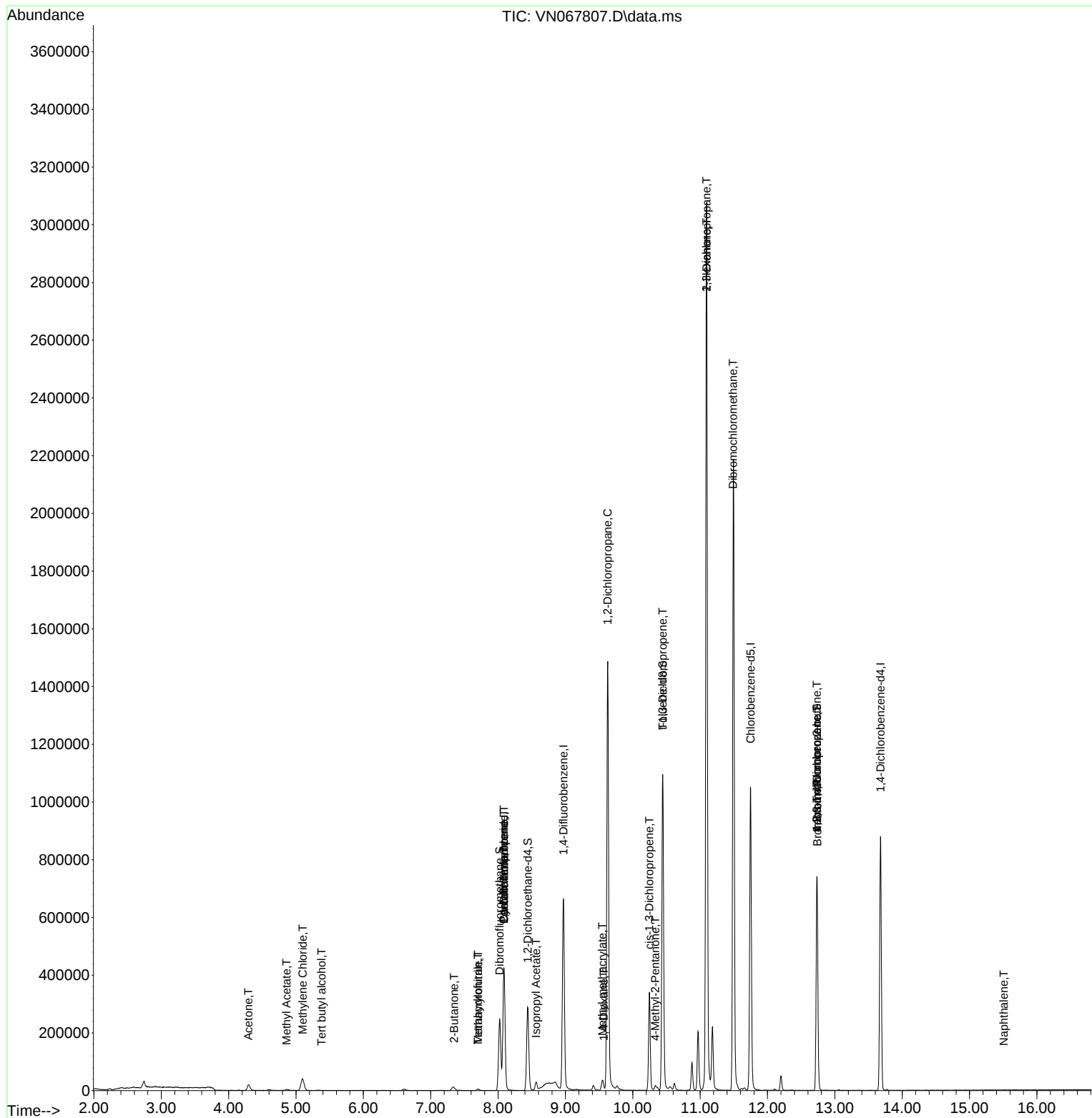
Internal Standards						
1) Pentafluorobenzene	8.088	168	302553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	580273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	601934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	225628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241069	52.721	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.440%			
35) Dibromofluoromethane	8.024	113	176966	50.477	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.960%			
50) Toluene-d8	10.443	98	762862	51.985	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.733	95	261789	50.500	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.000%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.842	94	308	Below Cal	#	4
6) Chloroethane	2.976	64	114	Below Cal	#	44
11) Tert butyl alcohol	5.379	59	692	1.053	ug/l #	71
13) Acrolein	4.036	56	76	Below Cal	#	14
16) Acetone	4.293	43	37148	25.819	ug/l	98
18) Methyl Acetate	4.856	43	3286	0.813	ug/l #	75
20) Methylene Chloride	5.098	84	33089	9.285	ug/l	88
25) 2-Butanone	7.345	43	4569	1.912	ug/l #	88
29) Tetrahydrofuran	7.702	42	3016	1.920	ug/l #	86
31) Cyclohexane	8.086	56	8294	1.294	ug/l #	15
36) 1,1-Dichloropropene	8.088	75	28076	5.209	ug/l #	46
38) Carbon Tetrachloride	8.086	117	34636	6.514	ug/l #	15
41) Methacrylonitrile	7.705	41	2630	0.980	ug/l #	34
43) Isopropyl Acetate	8.563	43	32754	3.565	ug/l #	86
45) 1,2-Dichloropropane	9.625	63	1846	0.452	ug/l #	44
48) Methyl methacrylate	9.547	41	9262	2.279	ug/l #	12
49) 1,4-Dioxane	9.569	88	56	32.804	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	9814	1.739	ug/l	92
53) t-1,3-Dichloropropene	10.443	75	125	1.762	ug/l #	17
54) cis-1,3-Dichloropropene	10.245	75	58461	9.277	ug/l #	63
57) 1,3-Dichloropropane	11.095	76	31836	4.584	ug/l #	43
59) 2-Hexanone	11.095	43	488524	124.005	ug/l #	53
60) Dibromochloromethane	11.489	129	324	2.419	ug/l #	11
71) Bromoform	12.739	173	334	3.257	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	147369	31.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	147369	103.116	ug/l #	6
95) Naphthalene	15.507	128	341	3.041	ug/l #	69

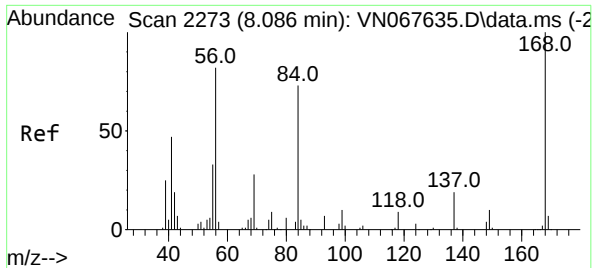
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
Data File : VN067807.D
Acq On : 19 Jul 2021 20:53
Operator : JC/MD
Sample : M3089-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 20 04:55:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

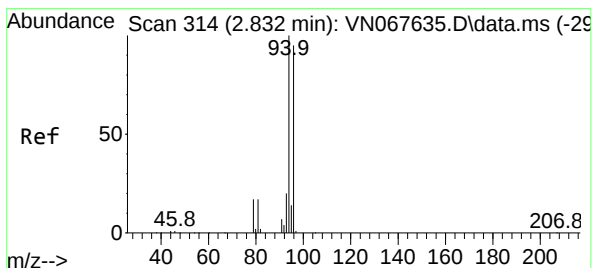
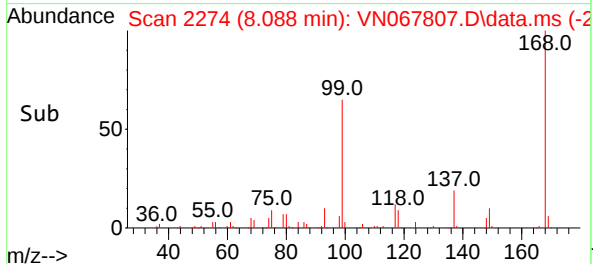
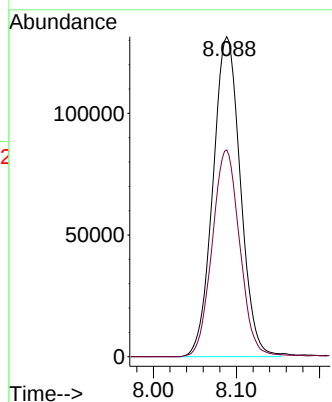
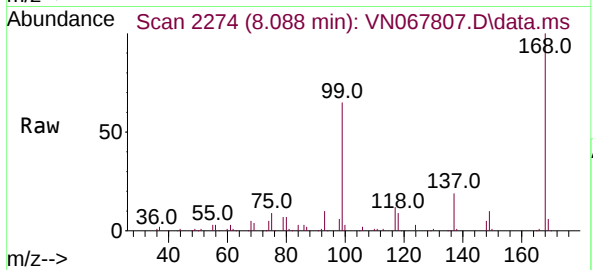




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

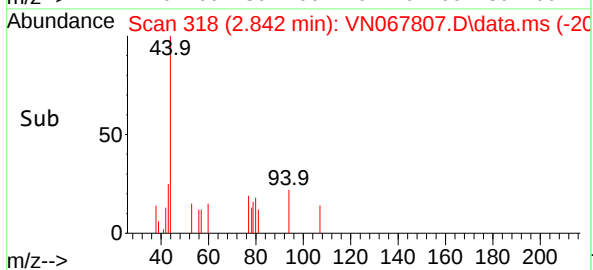
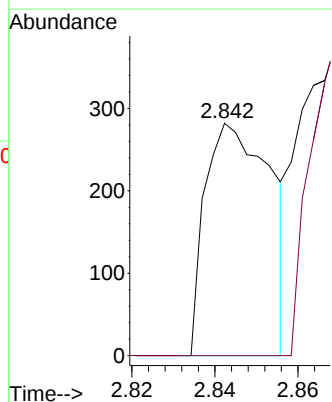
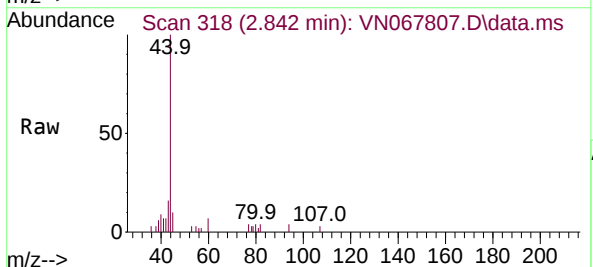
Instrument :
MSVOA_N
ClientSampleId :

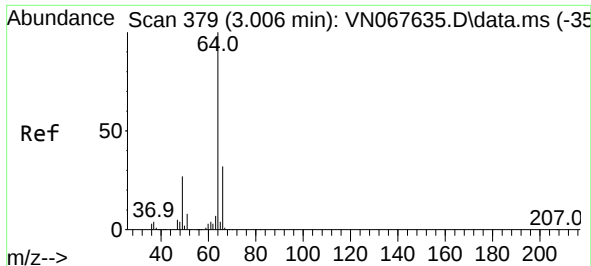
Tgt Ion:168 Resp: 302553
Ion Ratio Lower Upper
168 100
99 64.6 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.010 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 94 Resp: 308
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

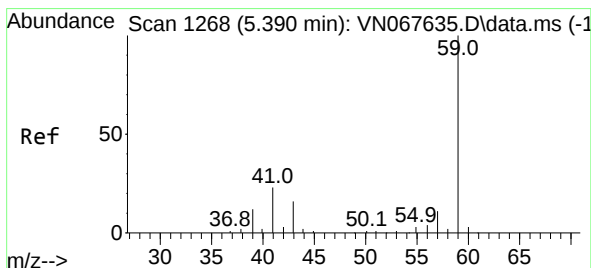
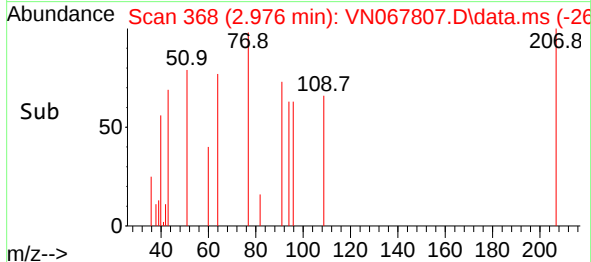
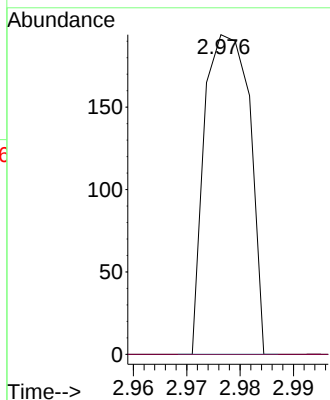
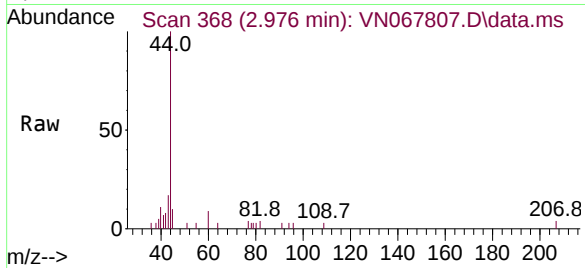




#6
Chloroethane
Concen: Below Cal
RT: 2.976 min Scan# 368
Delta R.T. -0.030 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

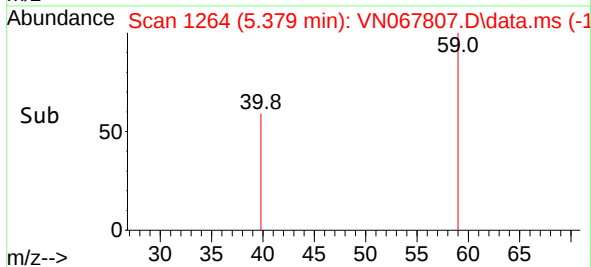
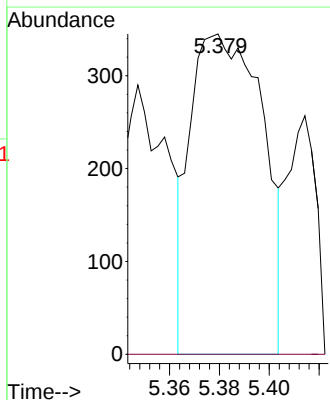
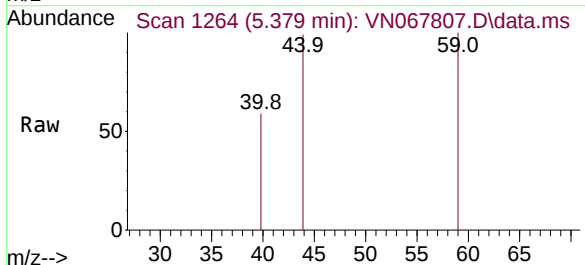
Instrument :
MSVOA_N
ClientSampled :

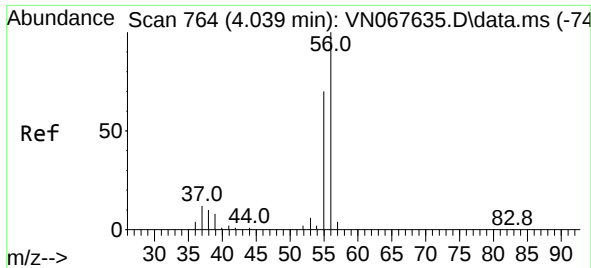
Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 1.053 ug/l
RT: 5.379 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 59 Resp: 692
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

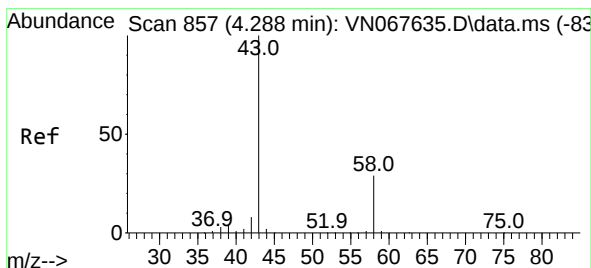
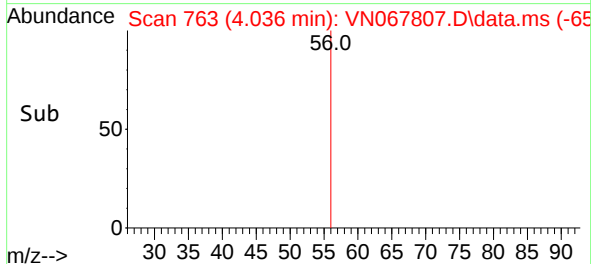
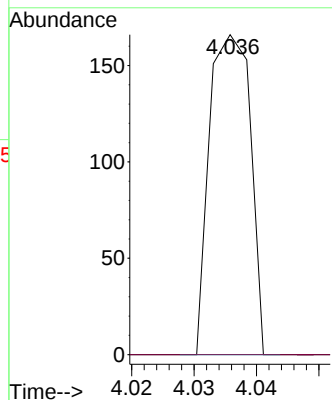
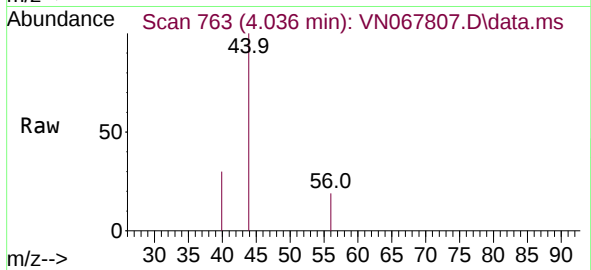




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

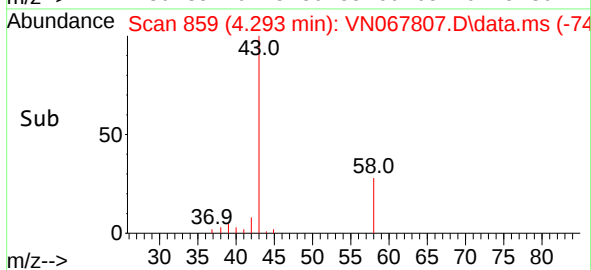
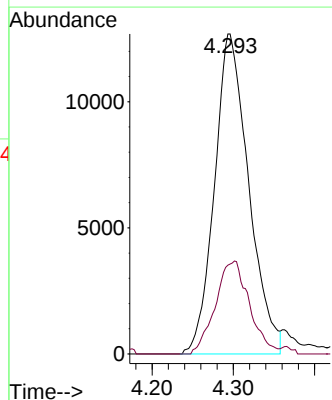
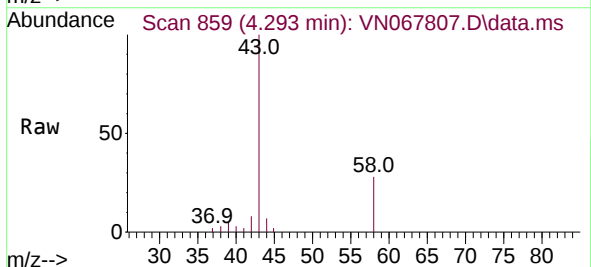
Instrument :
MSVOA_N
ClientSampleId :

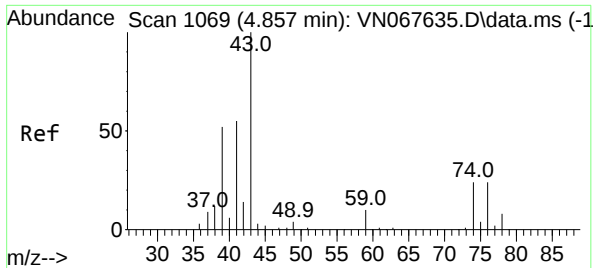
Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 25.819 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 43 Resp: 37148
Ion Ratio Lower Upper
43 100
58 27.7 21.2 31.8

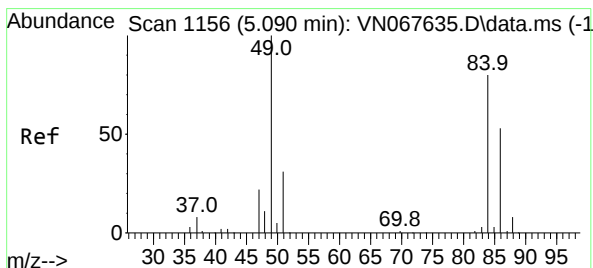
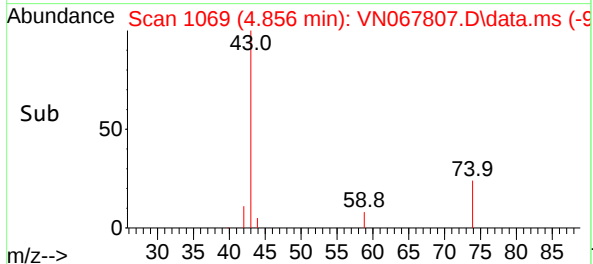
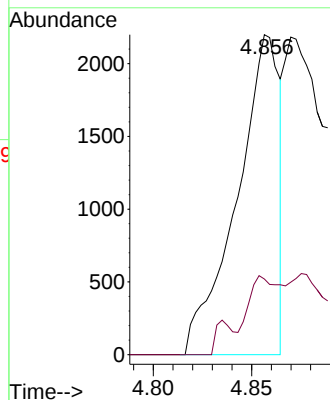
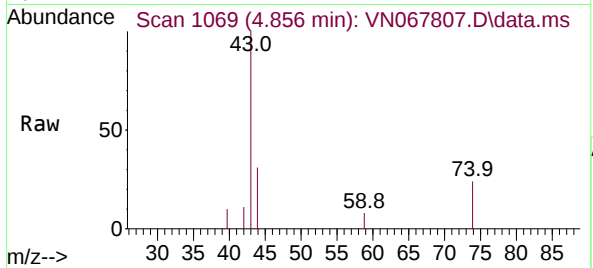




#18
Methyl Acetate
Concen: 0.813 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. -0.001 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

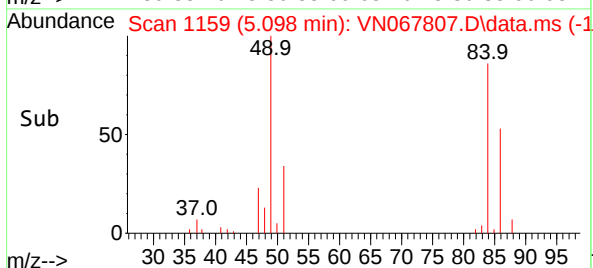
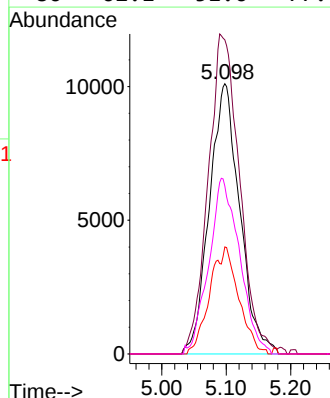
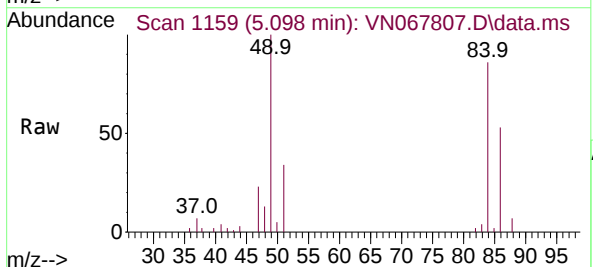
Instrument :
MSVOA_N
ClientSampled :

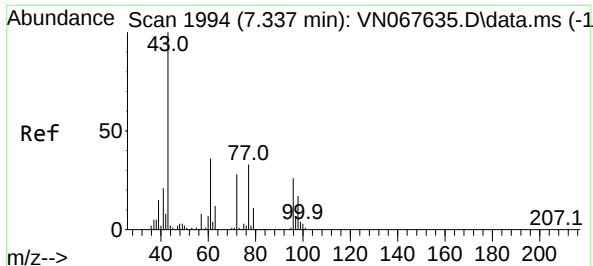
Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
74 9.9 17.4 26.0#



#20
Methylene Chloride
Concen: 9.285 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

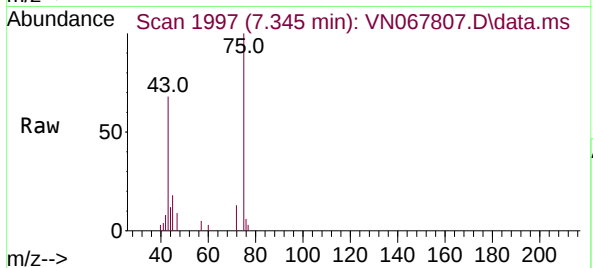
Tgt Ion: 84 Resp: 33089
Ion Ratio Lower Upper
84 100
49 116.2 110.9 166.3
51 39.6 32.6 49.0
86 62.1 51.6 77.4



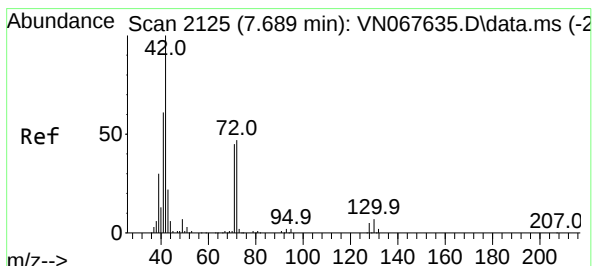
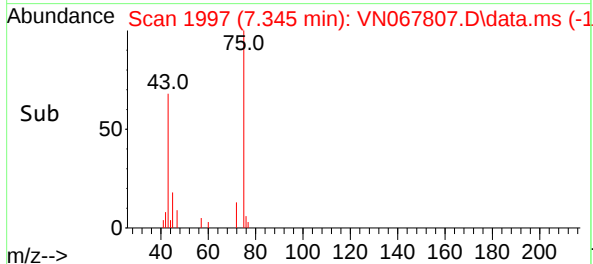
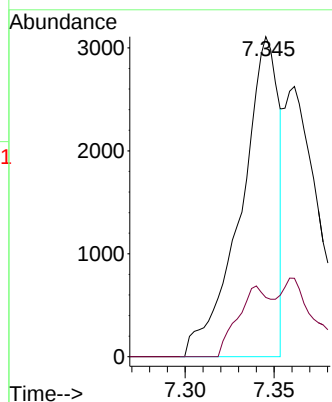


#25
2-Butanone
Concen: 1.912 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Instrument :
MSVOA_N
ClientSampled :

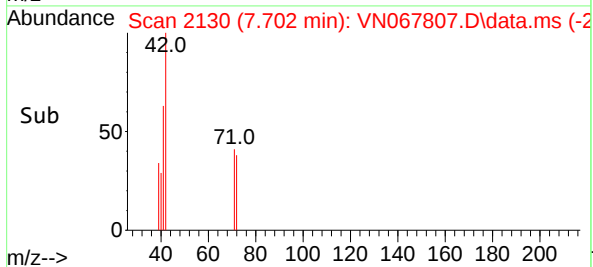
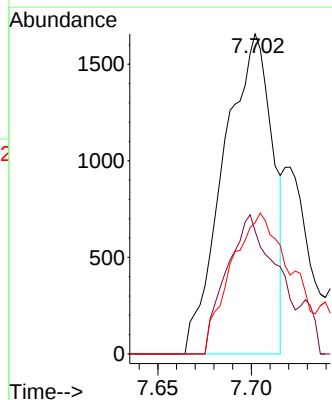
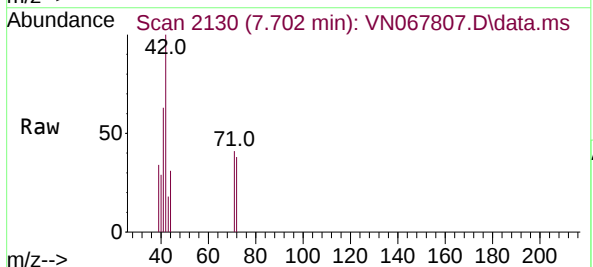


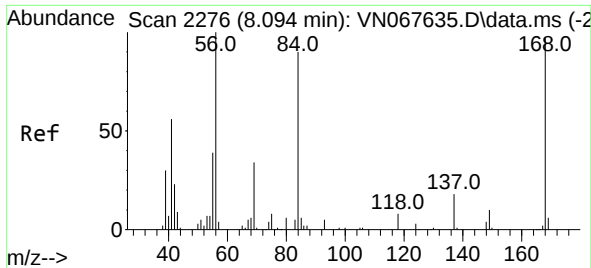
Tgt Ion: 43 Resp: 4569
Ion Ratio Lower Upper
43 100
72 18.5 19.7 29.5#



#29
Tetrahydrofuran
Concen: 1.920 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 42 Resp: 3016
Ion Ratio Lower Upper
42 100
72 44.0 32.8 49.2
71 53.9 31.2 46.8#

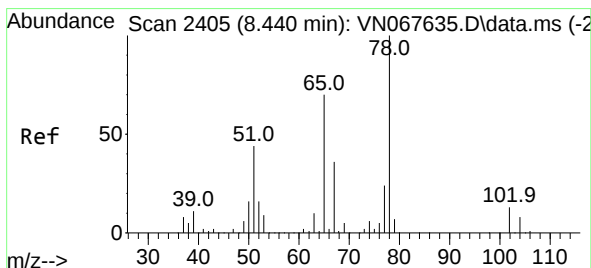
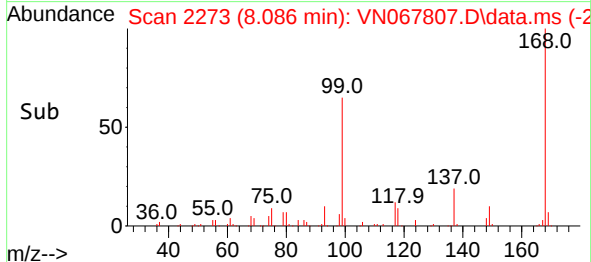
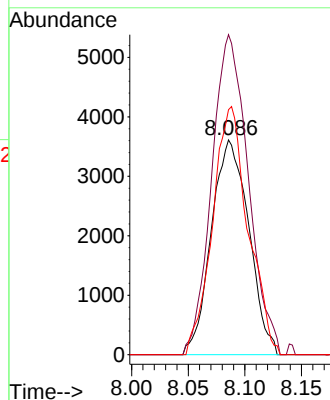
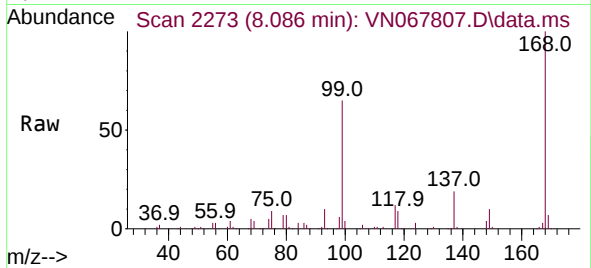




#31
Cyclohexane
Concen: 1.294 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

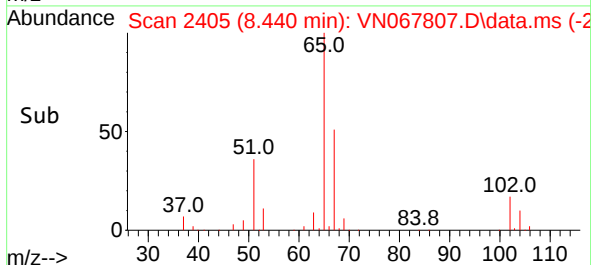
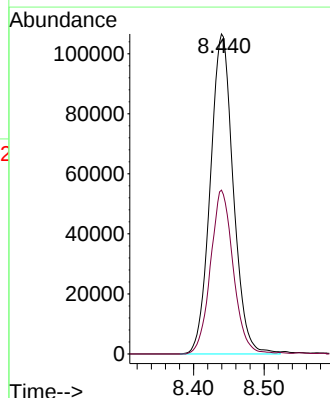
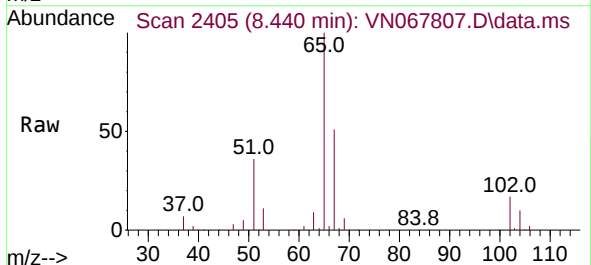
Instrument :
MSVOA_N
ClientSampleId :

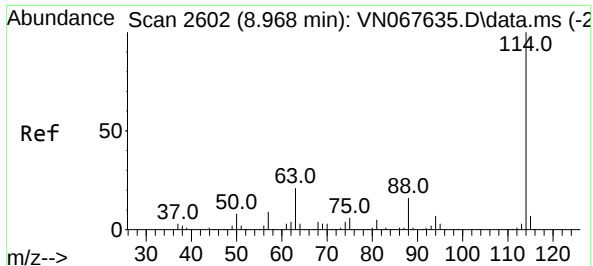
Tgt Ion: 56 Resp: 8294
Ion Ratio Lower Upper
56 100
69 149.0 27.3 40.9#
84 114.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.721 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 65 Resp: 241069
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

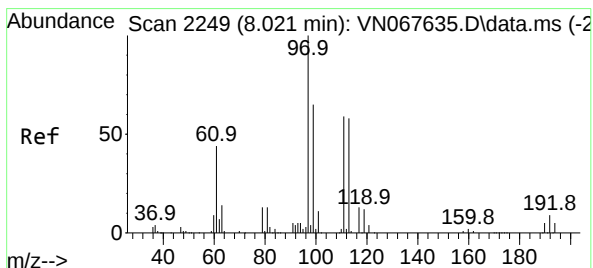
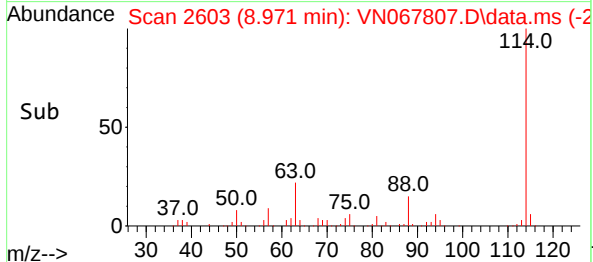
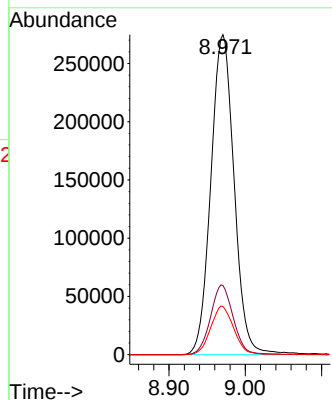
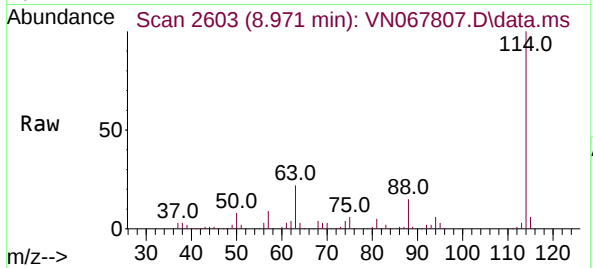




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

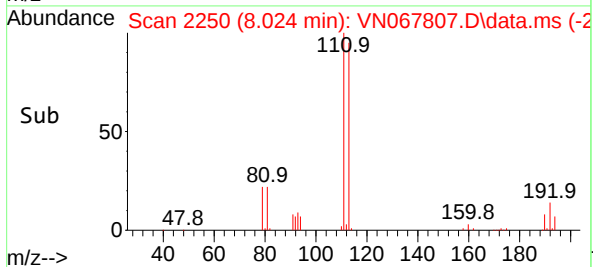
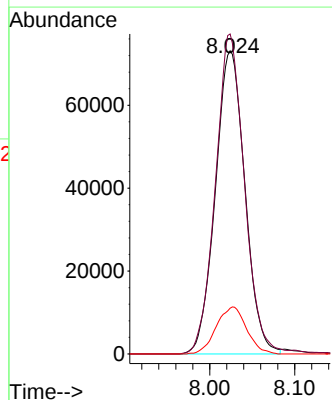
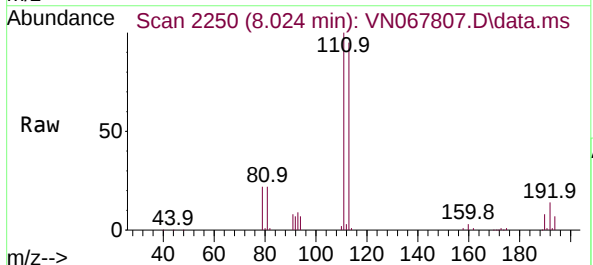
Instrument :
MSVOA_N
ClientSampled :

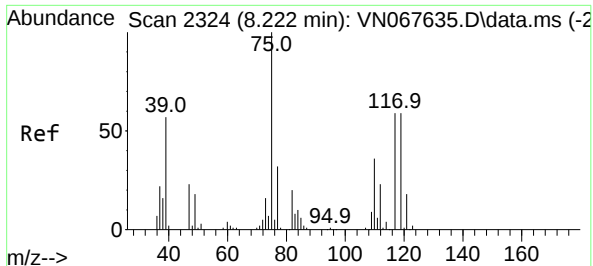
Tgt Ion:114 Resp: 580273
Ion Ratio Lower Upper
114 100
63 21.6 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.477 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

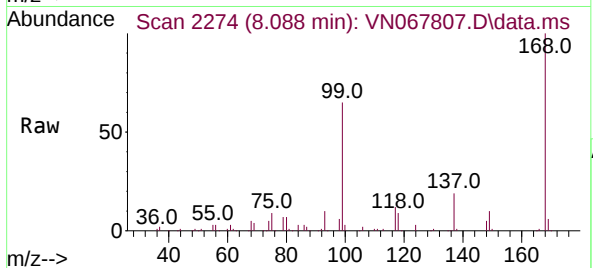
Tgt Ion:113 Resp: 176966
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 15.9 13.4 20.0



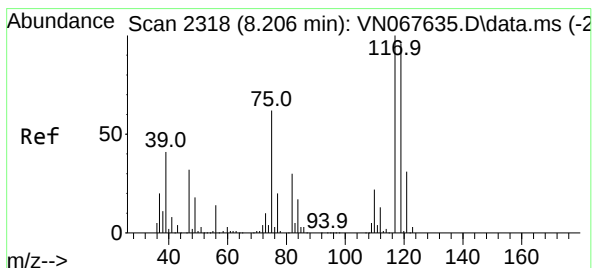
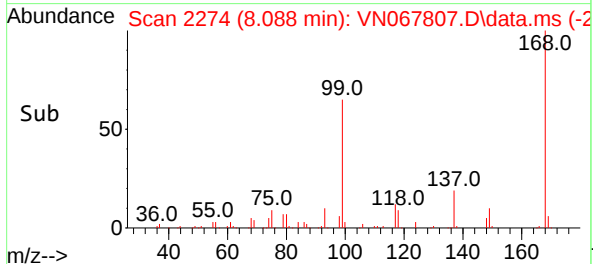
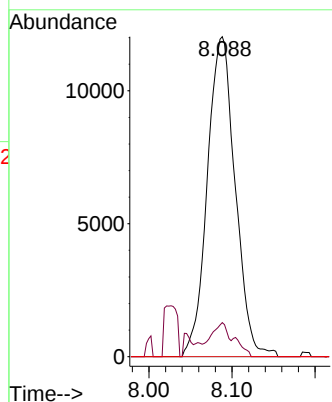


#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Instrument :
MSVOA_N
ClientSampled :

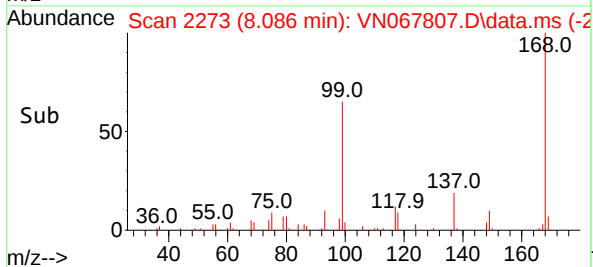
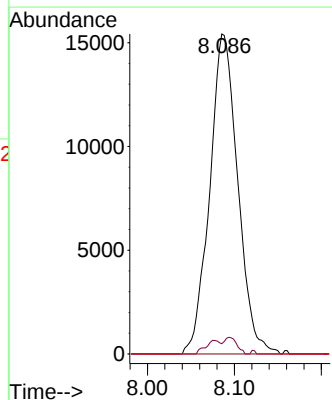
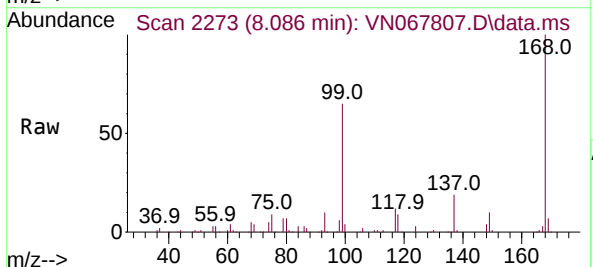


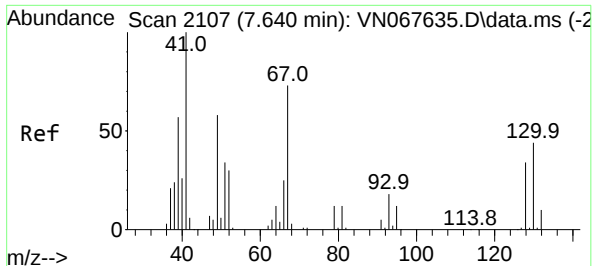
Tgt Ion: 75 Resp: 28076
Ion Ratio Lower Upper
75 100
110 3.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 117 Resp: 34636
Ion Ratio Lower Upper
117 100
119 3.2 75.4 113.2#
121 0.0 23.5 35.3#

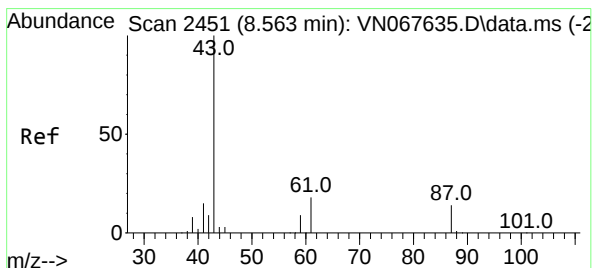
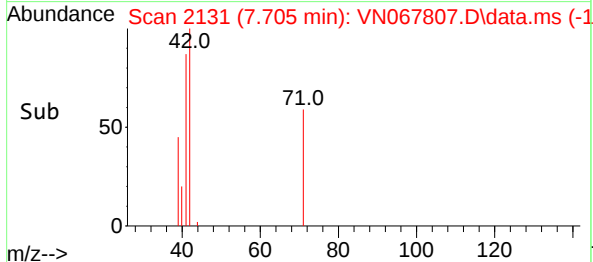
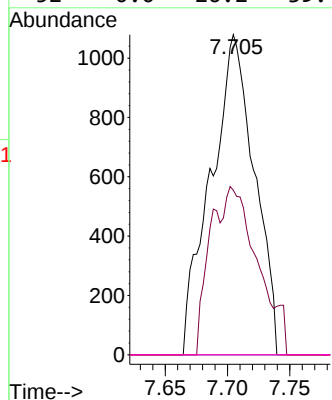
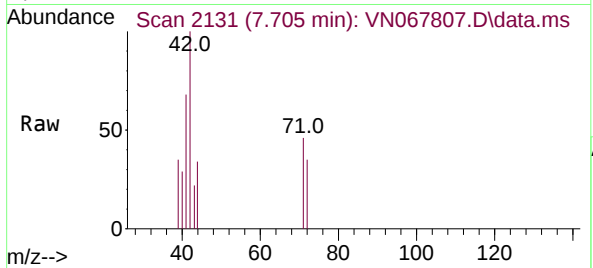




#41
Methacrylonitrile
Concen: 0.980 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.065 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

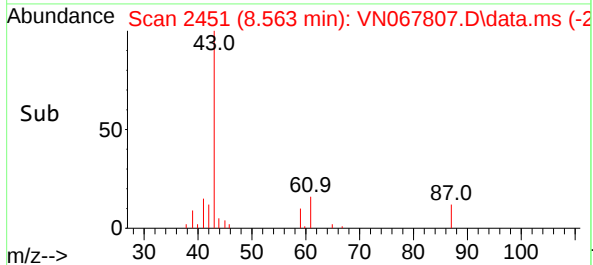
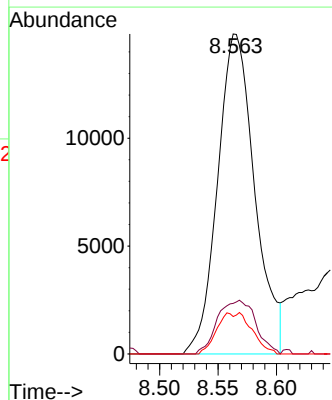
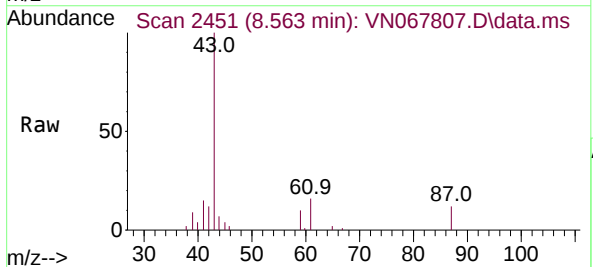
Instrument :
MSVOA_N
ClientSampled :

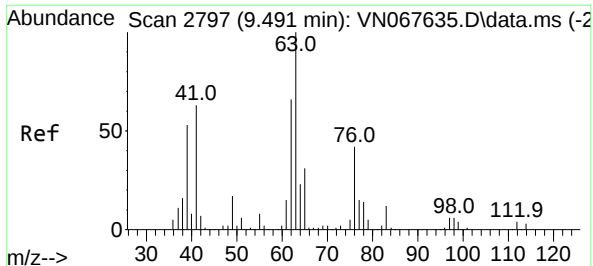
Tgt Ion: 41	Resp: 2630
Ion Ratio	Lower Upper
41 100	
39 25.5	47.6 71.4#
67 0.0	57.7 86.5#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 3.565 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.000 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 43	Resp: 32754
Ion Ratio	Lower Upper
43 100	
61 17.3	19.0 28.4#
87 6.0	9.5 14.3#



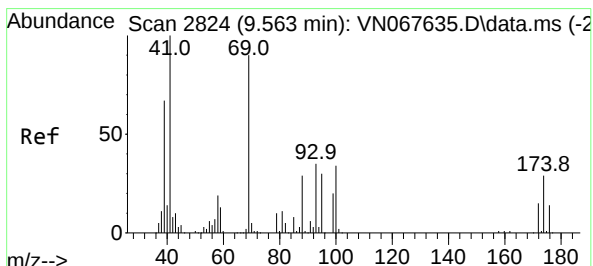
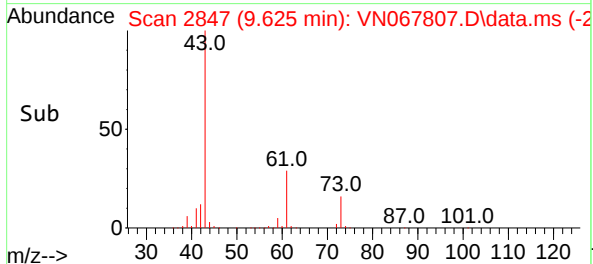
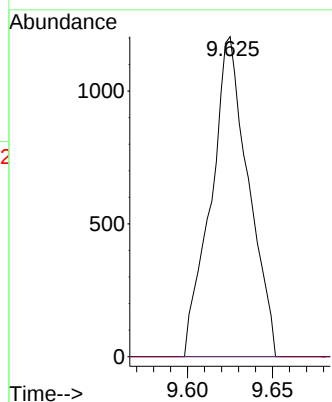
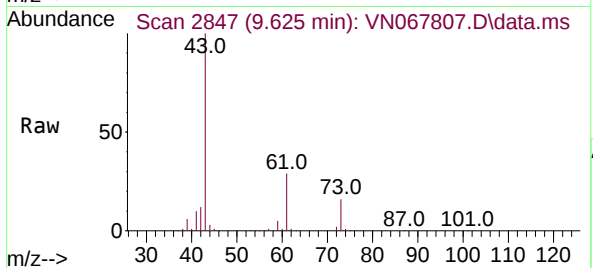


#45

1,2-Dichloropropane
Concen: 0.452 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Instrument :
MSVOA_N
ClientSampled :

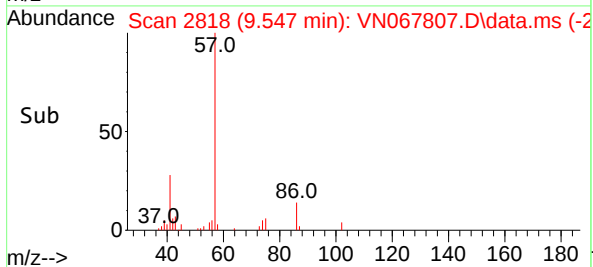
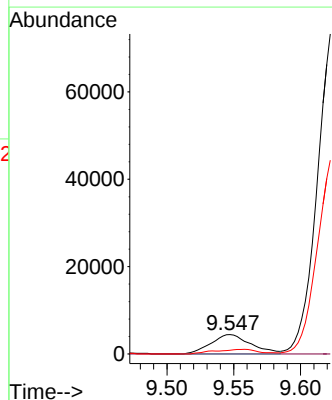
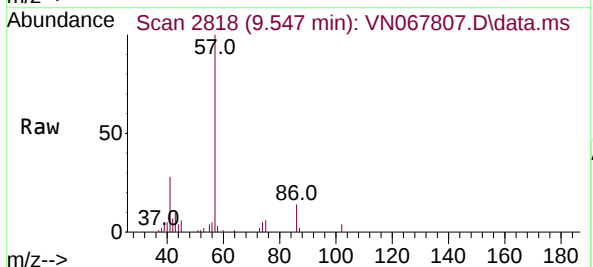
Tgt Ion: 63 Resp: 1846
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

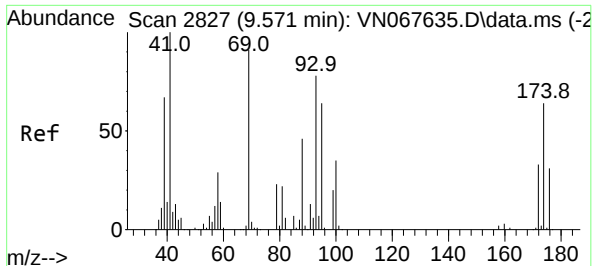


#48

Methyl methacrylate
Concen: 2.279 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 41 Resp: 9262
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 32.804 ug/l

RT: 9.569 min Scan# 2826

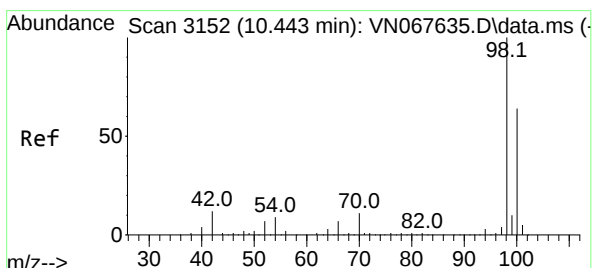
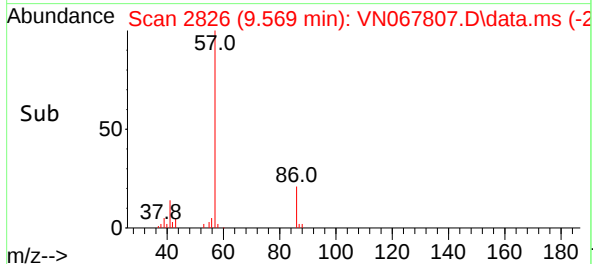
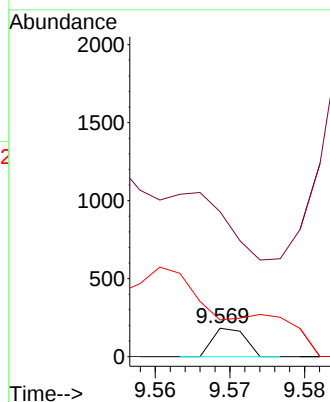
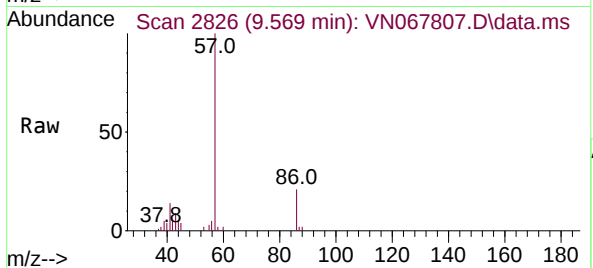
Delta R.T. -0.002 min

Lab File: VN067807.D

Acq: 19 Jul 2021 20:53

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 1471.4 60.4 90.6#



#50

Toluene-d8

Concen: 51.985 ug/l

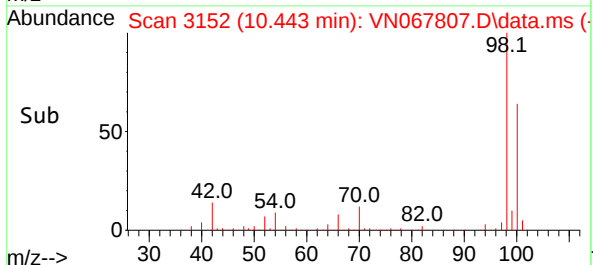
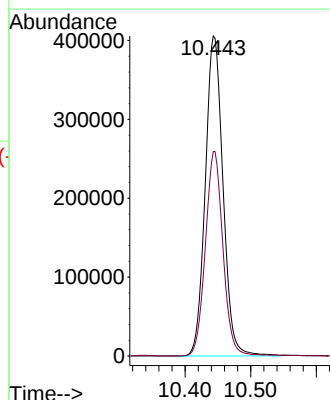
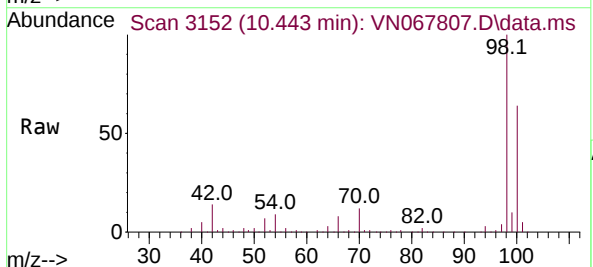
RT: 10.443 min Scan# 3152

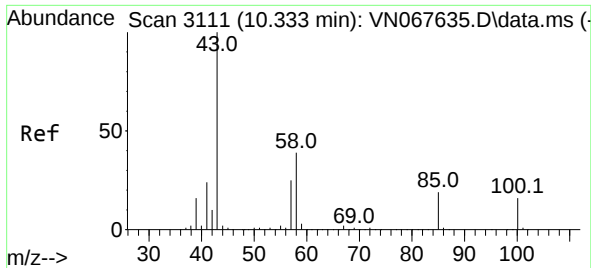
Delta R.T. -0.000 min

Lab File: VN067807.D

Acq: 19 Jul 2021 20:53

Tgt Ion: 98 Resp: 762862
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

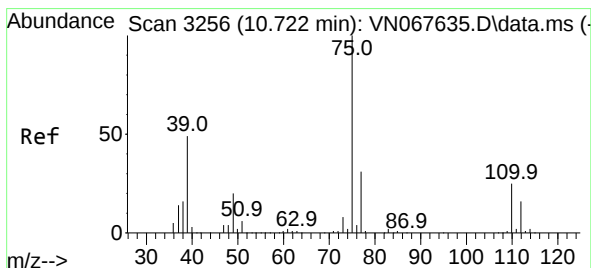
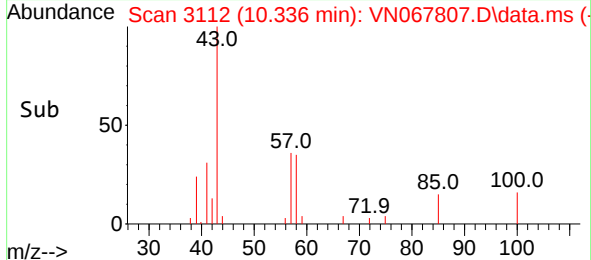
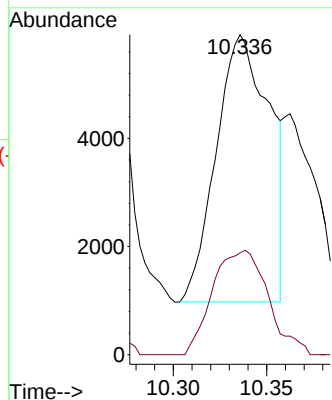
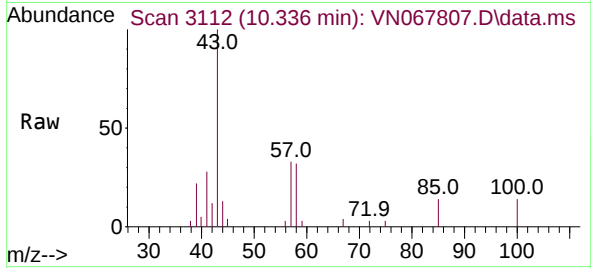




#51
4-Methyl-2-Pentanone
Concen: 1.739 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

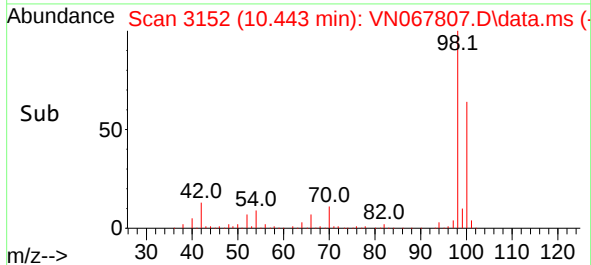
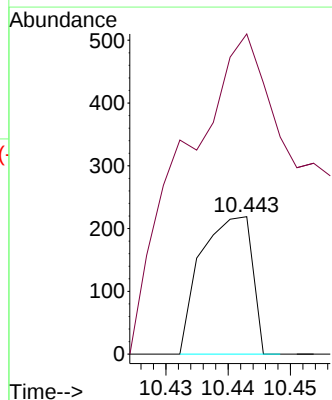
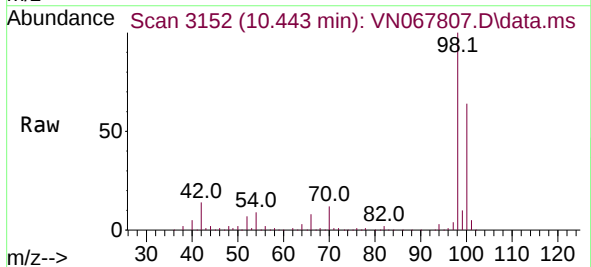
Instrument :
MSVOA_N
ClientSampled :

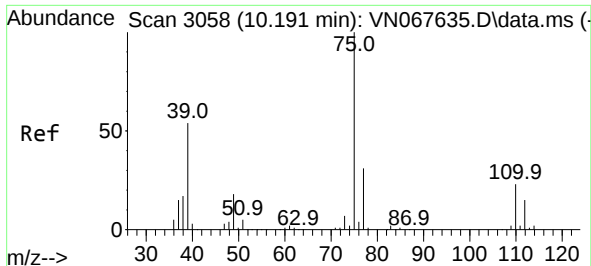
Tgt Ion: 43 Resp: 9814
Ion Ratio Lower Upper
43 100
58 40.6 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.762 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 75 Resp: 125
Ion Ratio Lower Upper
75 100
77 77.2 25.1 37.7#

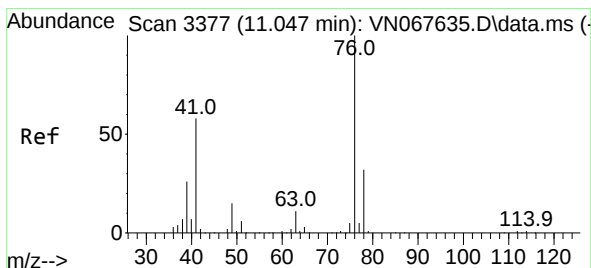
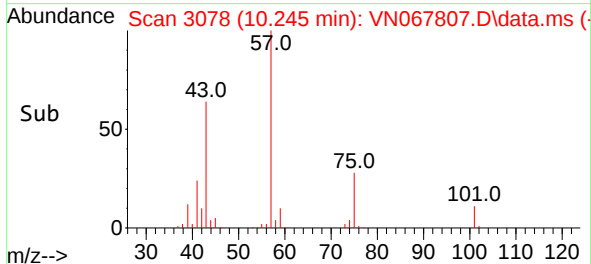
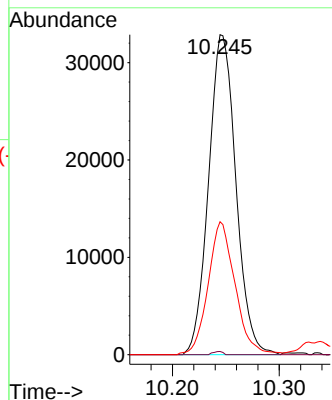
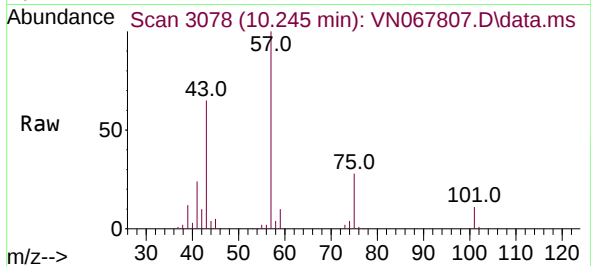




#54
 cis-1,3-Dichloropropene
 Concen: 9.277 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN067807.D
 Acq: 19 Jul 2021 20:53

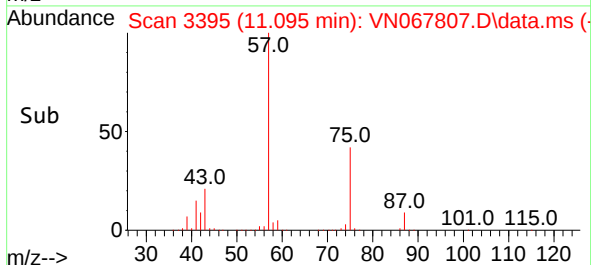
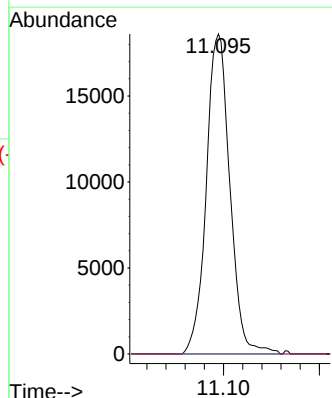
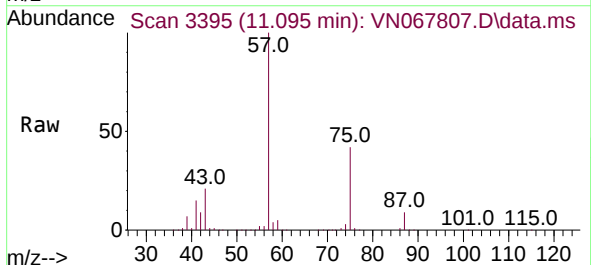
Instrument :
 MSVOA_N
 ClientSampled :

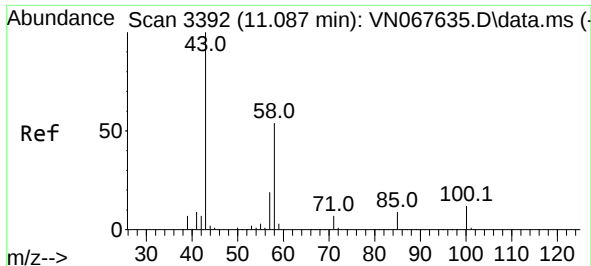
Tgt Ion: 75 Resp: 58461
 Ion Ratio Lower Upper
 75 100
 77 1.0 24.6 37.0#
 39 41.1 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 4.584 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067807.D
 Acq: 19 Jul 2021 20:53

Tgt Ion: 76 Resp: 31836
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

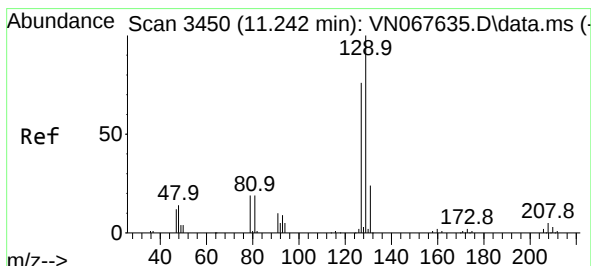
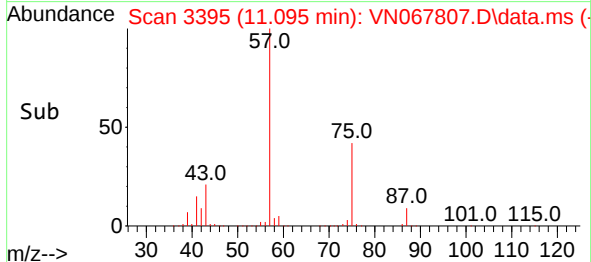
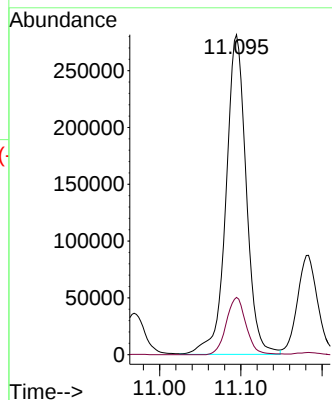
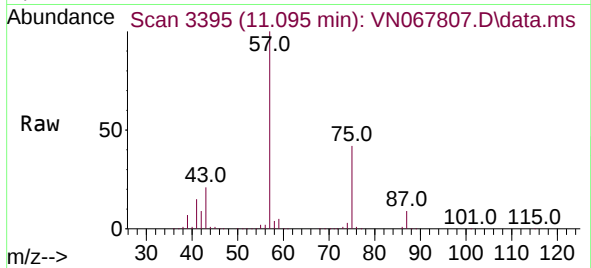




#59
2-Hexanone
Concen: 124.005 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

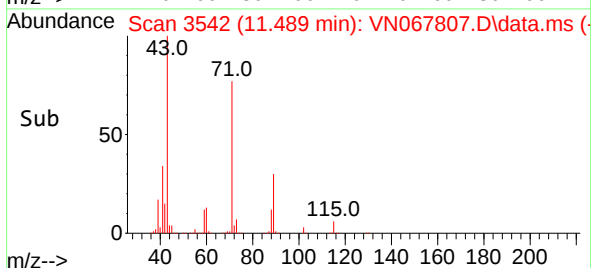
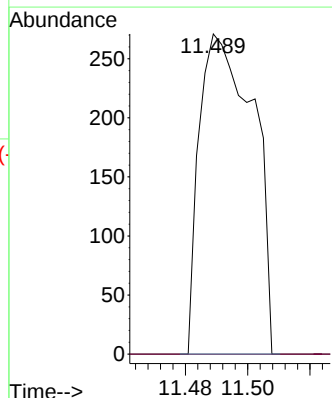
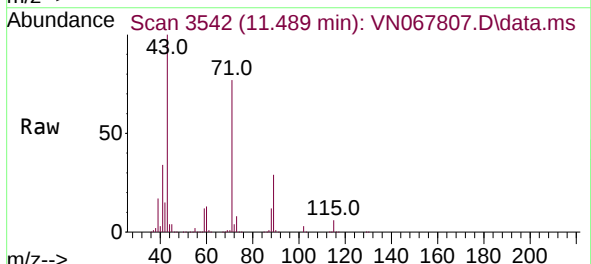
Instrument :
MSVOA_N
ClientSampled :

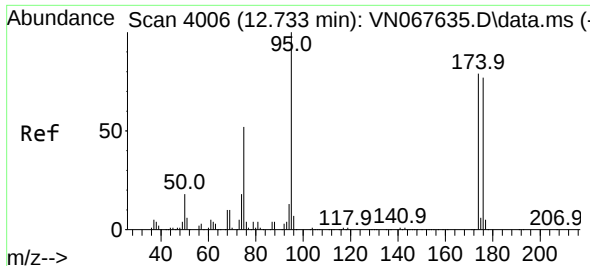
Tgt Ion: 43 Resp: 488524
Ion Ratio Lower Upper
43 100
58 17.5 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.247 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion:129 Resp: 324
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

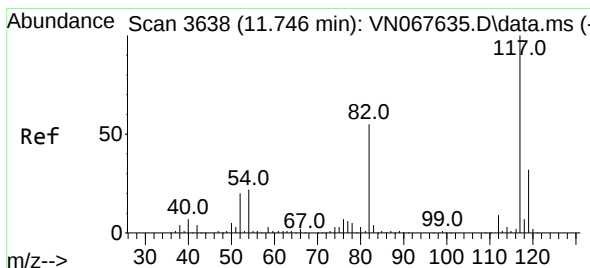
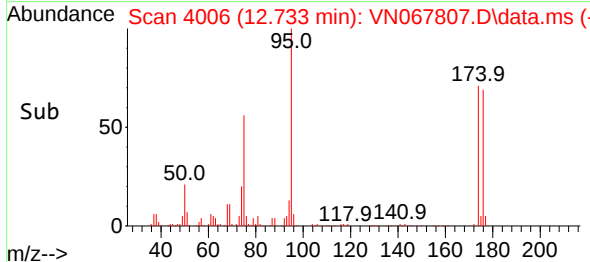
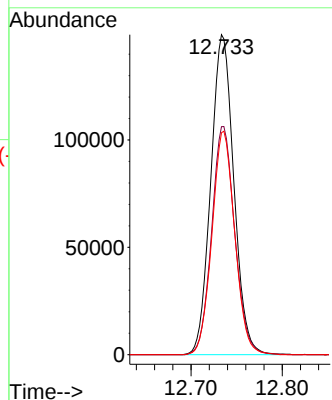
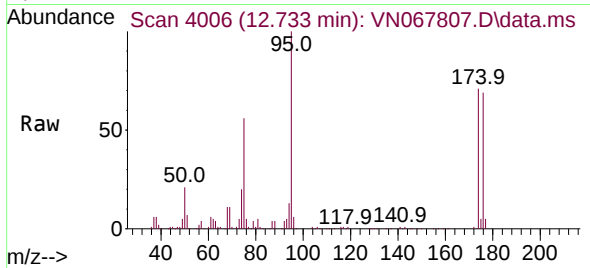




#62
4-Bromofluorobenzene
Concen: 50.500 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

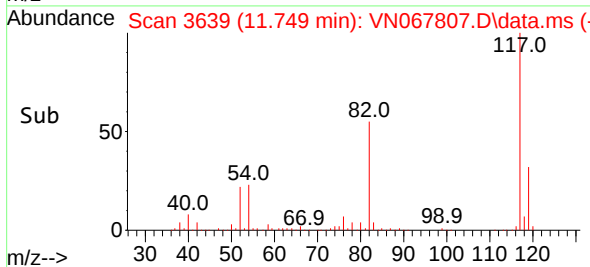
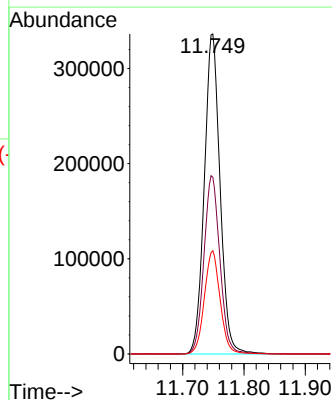
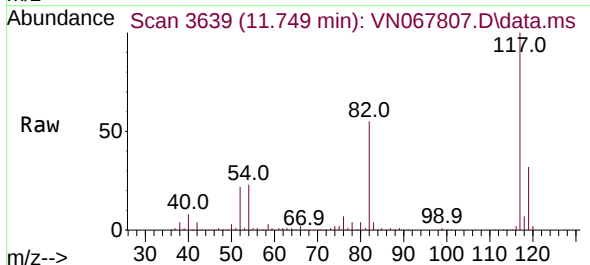
Instrument :
MSVOA_N
ClientSampled :

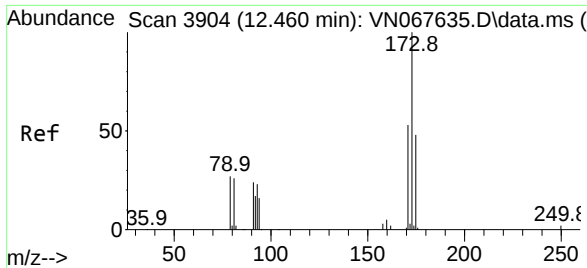
Tgt Ion: 95 Resp: 261789
Ion Ratio Lower Upper
95 100
174 71.6 0.0 122.0
176 69.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion: 117 Resp: 601934
Ion Ratio Lower Upper
117 100
82 55.2 53.1 79.7
119 32.2 25.5 38.3

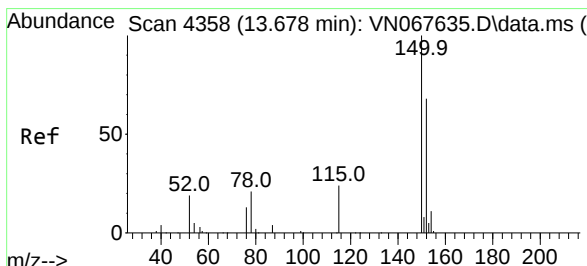
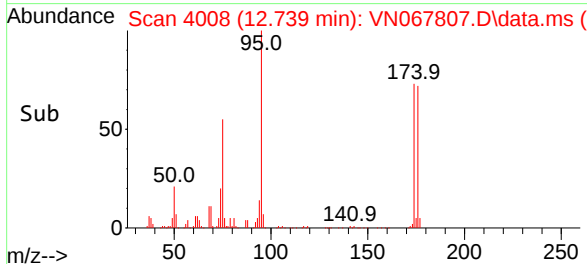
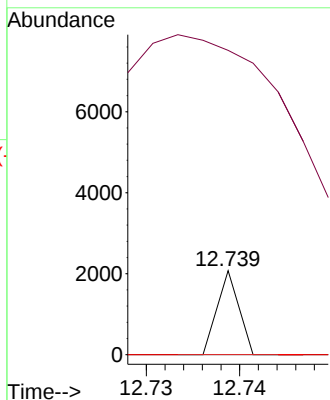
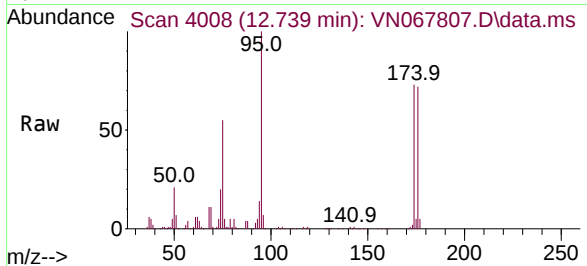




#71
Bromoform
Concen: 3.257 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

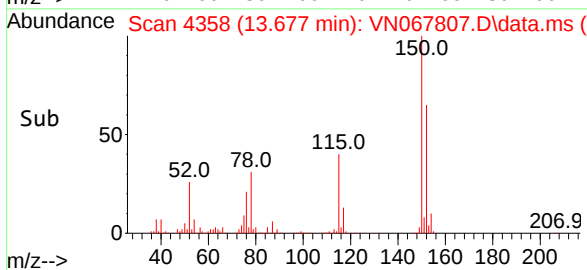
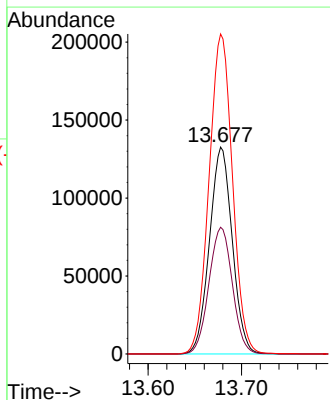
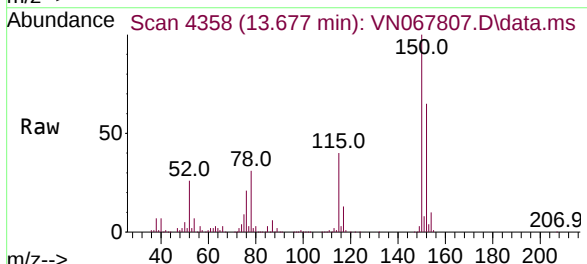
Instrument :
MSVOA_N
ClientSampleId :

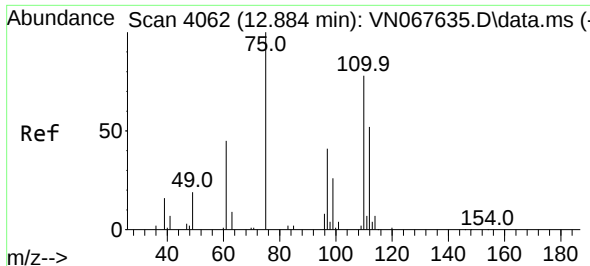
Tgt Ion:173 Resp: 334
Ion Ratio Lower Upper
173 100
175 3962.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Tgt Ion:152 Resp: 225628
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 158.5 0.0 351.8

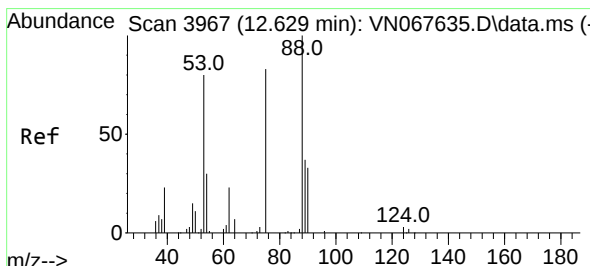
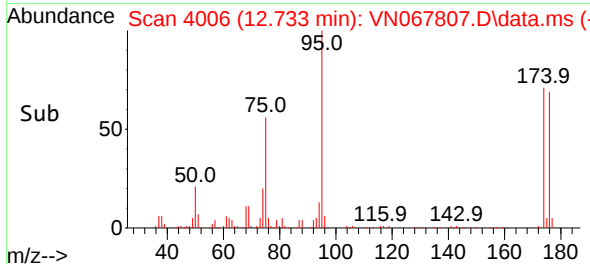
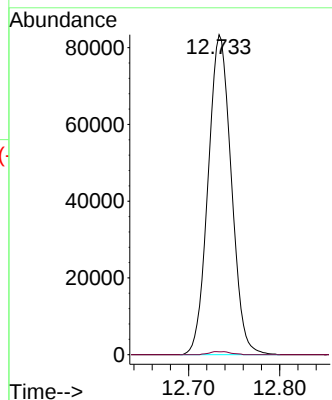
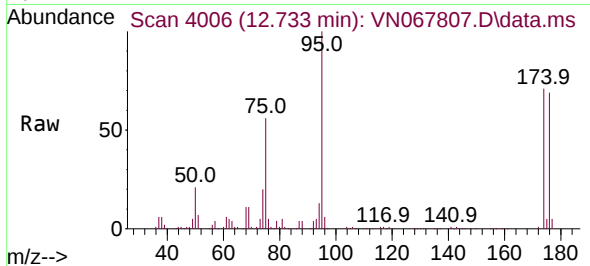




#76
1,2,3-Trichloropropane
Concen: 31.983 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

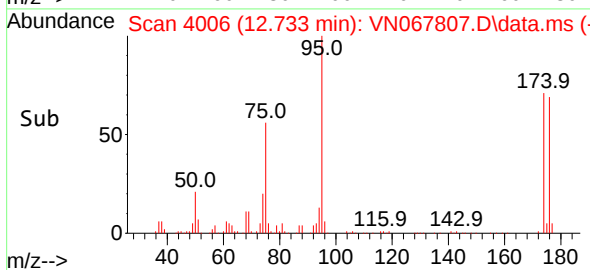
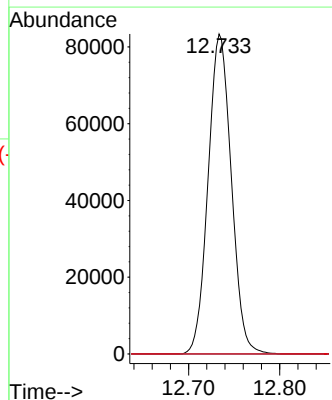
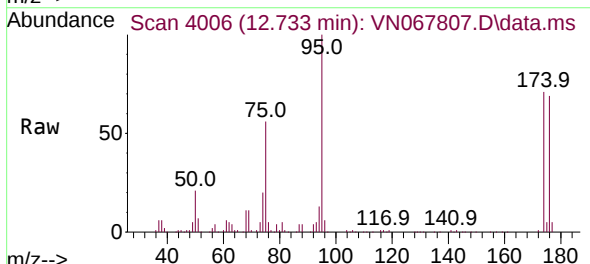
Instrument :
MSVOA_N
ClientSampleId :

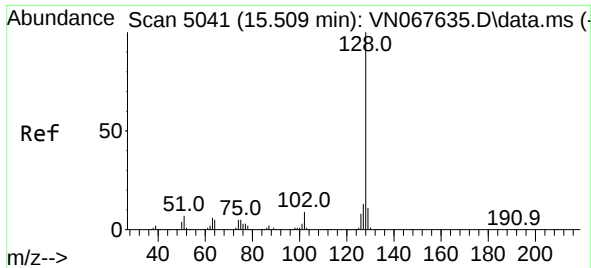
Tgt Ion: 75 Resp: 147369
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.116 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

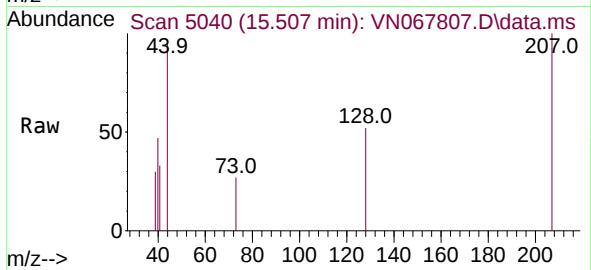
Tgt Ion: 75 Resp: 147369
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.041 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067807.D
Acq: 19 Jul 2021 20:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 341
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

